



Windows PowerShell Get-Help on Cmdlet 'Reset-SmbServerConfiguration'

PS:\>Get-HELP Reset-SmbServerConfiguration -Full

NAME

Reset-SmbServerConfiguration

SYNOPSIS

Resets the Server Message Block (SMB) server configuration parameters to their default values.

SYNTAX

```
Reset-SmbServerConfiguration [-All] [-AnnounceComment] [-AnnounceServer] [-AsJob] [-AsynchronousCredits]
[-AuditSmb1Access] [-AutoShareServer] [-AutoShareWorkstation]
                                [-CachedOpenLimit]          [-CimSession]          <CimSession[]>          [-DisableCompression]
[-DisableSmbEncryptionOnSecureConnection] [-DurableHandleV2TimeoutInSeconds]
                                [-EnableDownlevelTimewarp] [-EnableLeasing] [-EnableMultiChannel] [-EnableOplocks] [-EnableSMB2Protocol]
[-EnableSMBQUIC] [-EnableStrictNameChecking] [-EncryptData]
                                [-EncryptionCiphers] [-Force] [-IrpStackSize] [-KeepAliveTime] [-MaxChannelPerSession] [-MaxMpxCount]
[-MaxSessionPerConnection] [-MaxThreadsPerQueue] [-MaxWorkItems]
                                [-NullSessionShares] [-OplockBreakWait] [-PendingClientTimeoutInSeconds] [-RejectUnencryptedAccess]
[-RequestCompression] [-RestrictNamedpipeAccessViaQuic]
                                [-ServerHidden] [-Smb2CreditsMax] [-Smb2CreditsMin] [-SmbServerNameHardeningLevel] [-ThrottleLimit <Int32>]
[-TreatHostAsStableStorage] [-ValidateAliasNotCircular]
```

[`-ValidateShareScope`] [`-ValidateShareScopeNotAliased`] [`-ValidateTargetName`] [`-Confirm`] [`-WhatIf`]
[`<CommonParameters>`]

DESCRIPTION

The `Reset-SmbServerConfiguration` cmdlet resets SMB server configuration parameters to their default values. For more information on SMB server and protocol

specifications, see Overview of file sharing using the SMB 3 protocol in Windows Server ([/windows-server/storage/file-server/file-server-smb-overview](#))and

[[MS-SMB2](#)]:Server Message Block (SMB) Protocol Versions 2 and3 ([/openspecs/windows_protocols/ms-smb2/5606ad47-5ee0-437a-817e-70c366052962](#)).

> [!NOTE] > - This cmdlet is available beginning with 2022-06 Cumulative Update for Microsoft server operating > system version 21H2 for x64-based Systems > (

[KB5014665](#) (<https://support.microsoft.com/help/5014665>)), and Cumulative Update for Windows 11, > version 22H2 ([KB5014668](#)

(<https://support.microsoft.com/help/5014668>)). > > - The `DisableCompression` and `RequestCompression` parameters are available beginning with > 2022-08 Cumulative

Update for Microsoft server operating system version 21H2 for x64-based > Systems ([KB5016693](#) (<https://support.microsoft.com/help/5016693>)), and Cumulative Update

for > Windows 11, version 22H2 ([KB5016691](#) (<https://support.microsoft.com/help/5016691>)).

PARAMETERS

-All [`<SwitchParameter>`]

Resets all the SMB server configuration parameters to their default values.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AnnounceComment [<SwitchParameter>]

Resets the SMB server announce comment to its default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AnnounceServer [<SwitchParameter>]

Resets the SMB server announce server to its default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AsynchronousCredits [<SwitchParameter>]

Resets the asynchronous credits to its default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AuditSmb1Access [<SwitchParameter>]

Resets the auditing of SMB version 1 protocol behavior to its default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AutoShareServer [<SwitchParameter>]

Resets the automatic sharing behavior for default server shares to its default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AutoShareWorkstation [<SwitchParameter>]

Resets the automatic sharing behavior for default workstation shares to its default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-CachedOpenLimit [<SwitchParameter>]

Resets the cache open file limit to its default value.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(<https://go.microsoft.com/fwlink/p/?LinkId=227967>)or Get-CimSession

(<https://go.microsoft.com/fwlink/p/?LinkId=227966>)cmdlet. The default is the current session on the local computer.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-DisableCompression [<SwitchParameter>]

Resets the SMB compression behavior to its default value.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-DisableSmbEncryptionOnSecureConnection [<SwitchParameter>]

Resets the disable SMB encryption on secure connection behavior to its default value.

Required?	false
Position?	named

Default value False
Accept pipeline input? False
Accept wildcard characters? false

-DurableHandleV2TimeoutInSeconds [<SwitchParameter>]

Resets the durable handle v2 time-out period value to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-EnableDownlevelTimewarp [<SwitchParameter>]

Resets the down-level timewarp support behavior to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-EnableLeasing [<SwitchParameter>]

Resets the enable leasing behavior to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-EnableMultiChannel [<SwitchParameter>]

Resets the enable multi-channel behavior to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-EnableOplocks [<SwitchParameter>]

Resets the opportunistic locks behavior to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-EnableSMB2Protocol [<SwitchParameter>]

Resets whether the SMB2 protocol is enabled to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-EnableSMBQUIC [<SwitchParameter>]

Resets whether the SMB over QUIC protocol is enabled to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-EnableStrictNameChecking [<SwitchParameter>]

Resets the strict name checking on incoming connections behavior to its default value.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-EncryptData [<SwitchParameter>]

Resets the session encryption behavior to its default value.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-EncryptionCiphers [<SwitchParameter>]

Resets the encryption ciphers used by the SMB client to its default value and order.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-Force [<SwitchParameter>]

Forces the command to run without asking for user confirmation.

Required?	false
Position?	named

Default value False
Accept pipeline input? False
Accept wildcard characters? false

-IrpStackSize [<SwitchParameter>]

Resets the IRP stack size default to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-KeepAliveTime [<SwitchParameter>]

Resets the keep alive time to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-MaxChannelPerSession [<SwitchParameter>]

Resets the maximum channels per session to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-MaxMpxCount [<SwitchParameter>]

Resets the maximum MPX count for SMB1 to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-MaxSessionPerConnection [<SwitchParameter>]

Resets the maximum sessions per connection to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-MaxThreadsPerQueue [<SwitchParameter>]

Resets the maximum threads per queue to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-MaxWorkItems [<SwitchParameter>]

Resets the maximum SMB1 work items to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-NullSessionShares [<SwitchParameter>]

Resets the null session pipes to its default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-OplockBreakWait [<SwitchParameter>]

Resets how long the create caller waits for an opportunistic lock break to its default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-PendingClientTimeoutInSeconds [<SwitchParameter>]

Resets the pending client time-out period to its default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-RejectUnencryptedAccess [<SwitchParameter>]

Resets the unencrypted access behavior to its default value.

Required? false

Position? named

Default value False
Accept pipeline input? False
Accept wildcard characters? false

-RequestCompression [<SwitchParameter>]

Resets the SMB server request compression value to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-RestrictNamedpipeAccessViaQuic [<SwitchParameter>]

Resets the named pipes behavior when using SMB over QUIC to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-ServerHidden [<SwitchParameter>]

Resets whether the server announces itself to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-Smb2CreditsMax [<SwitchParameter>]

Resets the maximum SMB2 credits to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-Smb2CreditsMin [<SwitchParameter>]

Resets the minimum SMB2 credits to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-SmbServerNameHardeningLevel [<SwitchParameter>]

Resets the SMB Service name hardening level to its default value.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer.

The throttle limit applies only to the current cmdlet, not to the session or to the computer.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-TreatHostAsStableStorage [<SwitchParameter>]

Resets whether the host is treated as the stable storage to its default value.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-ValidateAliasNotCircular [<SwitchParameter>]

Resets whether the aliases that aren't circular are validated to its default value.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-ValidateShareScope [<SwitchParameter>]

Resets whether the existence of share scopes is checked during share creation to its default value.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-ValidateShareScopeNotAliased [<SwitchParameter>]

Resets whether the share scope being aliased is validated to its default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ValidateTargetName [<SwitchParameter>]

Resets whether the target name is validated to its default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet isn't run.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (<https://go.microsoft.com/fwlink/?LinkID=113216>).

INPUTS

None

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance

NOTES

----- Example 1: Reset the unencrypted access behavior -----

Reset-SmbServerConfiguration -RejectUnencryptedAccess -Confirm:\$false

This commands resets only the unencrypted access behavior to its default value without user confirmation.

RELATED LINKS

Online Version: <http://go.microsoft.com/fwlink/?LinkID=241959>

Get-SmbServerConfiguration

